INDICES

Author Index

Anderson, Margaret 127
Barghoorn, E. S., Jr. 23
Brehme, K. S. 351
Brody, E. B. 179
Cohen, A. L. 259
Colton, N. H. 419
Demerec, M. 351
Dewey, V. C. 405
Emery, F. E. 7
Goldhaber, G. 235, 357
Gregg, J. R. 231
Mamemtt, F. S. 59, 399
Huggins, Russell 135
Huggins, Sara E. 135, 163
Humphrey, R. R. 185
Kidder, G. W. 405
Latimer, H. B. 39, 341
MacKay, D. C. G. 250
Matthews, C. S. 7
Medes, Grace 145
Nash, C. B. 151
O'Brien, J. P. 203
Pastor, Nathan 419
Pomerat, G. M. 231
Reed, H. S. 391
Reimann, S. P. 273
Reiner, J. M. 367
Richards, T. W. 127
Robinow, M. 127
Schopbach, Robert 33
Schwabe, E. L. 7
Segal, H. I. 419
Shechter, F. R. 419
Spiegelman, S. 367
Steinberg, Arthur 419
Stimson, A. K. 145
Thompson, D. H. 163
Walp, Lee 33, 173
Wilson, L. P. 1

Subject Index

Adenine and Drosophila larvae 1
Age change in reaction time of dairy cattle 179
Amblystoma, sex reversal 185
Amino acids, in developmental growth 59
Ammonium assimilation, effects on cell proliferation of Nostoc muscorum 173
Analysis, kinetic, of potassium accumulation and sodium exclusion 369
Axolotl, sterility after reversal of ovary to testis 185
Bean roots, effect of 1-proline 23
Black-fish, relative growth and scale constancy 135
Body growth, castrated and uncastrated female rats, effects of oral administration of stilbestrol 7
Brain, weight in dog 39
Carapace, European edible crab, growth of 250
Cat, prenatal growth 210
Cattle, age and weight changes in reaction time 179
Cell proliferation, cotton and bean roots, effect of 1-proline 23
Cell proliferation, Nostoc muscorum, effects of nitrate and ammonium assimilation . 173
Cotton roots, effect of 1-proline 23
Crab, European edible, relative growth 250
Cultures, tissue, radiobiological studies 235
Diphenyl sulfoxide, reaction of tumor mice . . . . . .
Dog, weight of brain and weight and length of spinal cord 39
Drosophila larvae and adenine 1
Drosophila, Malpighian tube color in eye color mutants 351
Dwarfism, diagnostic criteria and endocrine therapy 419
Endocrine therapy, in dwarfism 419
Fibrobast cultures, effect of x-rays on cell outgrowth 235
Glycogen content of embryo of Rana pipiens during development 231
Growth, developmental progression 59
  vs. metabolism 59
  nature of 59
  Obelia hydranth 59
  prenatal, cat 341

relative, in black-fish 135
relative, European edible crab 210
relative, fresh-water gar 163
substance increment 59
Heart, weight of, in fetal and adult cat 210
Heterauxesis, rat 151
l-Proline, effect on cotton and bean roots 23
Media, cell-free culture, Paramecium multimicronucleatum 145
Mice, tumor, and diphenyl sulfoxide 399
Microorganisms, athiaminogenic, in biosynthesis of thiamine 405
Nais paraguayensis, fragmenting effects of x-ray on regeneration 203
Nitrate assimilation, effect on cell proliferation of Nostoc muscorum 173
Nostoc muscorum, cell proliferation affected by nitrate and ammonium assimilation 173
Nostoc muscorum, influence of pH on proliferation 33
Nucleic acid components in developmental growth 59
Obelia hydranth, growth of 59
Oncology, teaching of 273
Organ weights, female uncastrated and castrated rats, effects of oral administration of stilbestrol 7
Paramecium multimicronucleatum, attempts at culturing in cell-free media . . 145
Peas, seed production, relation of essential micro-element . . . . . .
pH, influence on proliferation of Nostoc muscorum 33
Potassium accumulation, kinetic analysis of . . . . . .
Protoplasm, organization of 259
Rana pipiens, glycogen content of embryo during development 231
Rat, heterauxesis of vital and reducible portions 151
Rats, female uncastrated and castrated, effects of oral administration of stilbestrol . 9
Scale constancy in black-fish 135
Seed production in peas, relation of an essential micro-element 391
Sex reversal in amblystoma 185
Sodium exclusion, kinetic analysis of 367
Spinal cord, weight and length in dog 39
Sterility in axolotl after reversal of ovary to testis 185
Stilbestrol, effect on body growth and organ weights of female uncastrated and castrated rats 9
Teeth, deciduous, eruption of 127
Thiamine, biosynthesis by normally athiaminogenic microorganisms 405
Tissue cultures, radiobiological studies 235
Tumor mice and diphenyl sulfoxide 399
X-rays, effects on cell outgrowth in cultures of fibroblasts 235
X-rays, effects on regeneration in the fragmenting oligochaete, Nais paraguayensis . 203